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U.S. PTO  
TO/ST/30

# UTILITY PATENT APPLICATION TRANSMITTAL

Our Docket No.: I69.12-0487

Date: March 15, 2001

First Named Inventor: Peter Crane et al.

Title: MICRO-ACTUATOR STRUCTURE FOR IMPROVED  
STABILITY

Express Mail No.: EL705878409US

11046808473  
103/15/01  
PTO**APPLICATION ELEMENTS**
**Assistant Commissioner for Patents**  
**Box Patent Application**  
**Washington, D.C. 20231**

1.  Fee Calculation Sheet  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status
3.  Specification Total Pages [15]  
- Descriptive title of the invention  
- Cross References to Related Applications  
- Statement Regarding Fed. Sponsored R&D  
- Reference to Microfiche Appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claims  
- Abstract of the Disclosure
4.  Drawings (35 U.S.C. 113) Total Sheets [5]
5.  Oath or Declaration Total Pages [2]  
a.  Newly Executed (original or copy)  
b.  Copy from a prior application (37 C.F.R. 1.63(d) - for continuation/divisional with Box 18 completed)  
[Mark Box 5 below]  
i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b)
6.  Application Data Sheet. See 37 CFR 1.76.

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
*(If applicable, all necessary)*  
a.  Computer Readable Copy (CRF)  
b. Specification Sequence Listing on:  
i.  CD-ROM or CD-R (2 copies; or  
ii.  Paper  
c.  Statements verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. 3.73(b) Submission  
 Power of Attorney
11.  English Translation Document (*if applicable*)
12.  Information Disclosure Statement with copies of Citations as necessary
13.  Preliminary Amendment Total Pages []
14.  Return Receipt Postcard (*Should be specifically itemized*)
15.  Certified Copy of Priority document(s) (*If foreign priority is claimed*)
16.  Request and Certification under 35 U.S.C.122(b)(2)(B)(i). (Nonpublication Request)
17.  Other

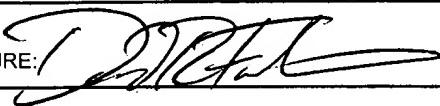
18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Division     Continuation-in-part (CIP) of prior Application No.

Prior Application Information: Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

ATTY NAME AND REG. NO.	David R. Fairbairn Reg. No. 26,047	SIGNATURE: 
ADDRESS	Kinney & Lange, P.A. THE KINNEY & LANGE BUILDING 312 South Third Street Minneapolis, MN 55415-1002	
TELEPHONE	(612) 339-1863	FAX: (612) 339-6580

# FEE TRANSMISSION

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1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account No.11-0982. Deposit Account Name: Kinney & Lange, P.A.		<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - Late filing fee or oath</td><td>*</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>*</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>*</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For Filing a Request for Reexamination</td><td>*</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td>*</td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td>*</td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td>*</td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td>*</td></tr> <tr><td>128</td><td>1,890</td><td>280</td><td>945</td><td>Extension for reply within fifth month</td><td>*</td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td>*</td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td>*</td></tr> <tr><td>148</td><td>110</td><td>248</td><td>55</td><td>Terminal Disclaimer Fee</td><td>*</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td>*</td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td>*</td></tr> <tr><td>142</td><td>1,270</td><td>242</td><td>650</td><td>Utility/Reissue issue fee (inc. advance copies)</td><td>*</td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee (inc. advance copies)</td><td>*</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>*</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>*</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Statement</td><td>*</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>X</td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr> <td colspan="2"></td> <td colspan="4">Subtotal (3) \$40.00</td> </tr> </tbody> </table>				Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee paid	105	130	205	65	Surcharge - Late filing fee or oath	*	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	*	139	130	139	130	Non-English specification	*	147	2,520	147	2,520	For Filing a Request for Reexamination	*	115	110	215	55	Extension for reply within first month	*	116	390	216	195	Extension for reply within second month	*	117	890	217	445	Extension for reply within third month	*	118	1,390	218	695	Extension for reply within fourth month	*	128	1,890	280	945	Extension for reply within fifth month	*	120	310	220	155	Filing a brief in support of an appeal	*	121	270	221	135	Request for oral hearing	*	148	110	248	55	Terminal Disclaimer Fee	*	140	110	240	55	Petition to revive - unavoidable	*	141	1,240	241	620	Petition to revive - unintentional	*	142	1,270	242	650	Utility/Reissue issue fee (inc. advance copies)	*	143	440	243	220	Design issue fee (inc. advance copies)	*	122	130	122	130	Petitions to the Commissioner	*	123	50	123	50	Petitions related to provisional applications	*	126	180	126	180	Submission of Information Disclosure Statement	*	581	40	581	40	Recording each patent assignment per property (times number of properties)	X	Other fee (specify) _____								Subtotal (3) \$40.00			
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Signature 

David R. Fairbairn

Date 3/15/01

Reg. No. 26,047

Deposit Account No. 11-0982

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	: Peter Crane et al.	
Appln. No.	:	
Filed	: Herewith	Group Art Unit:
Title	: MICRO-ACTUATOR STRUCTURE FOR IMPROVED STABILITY	Examiner:
Docket No.	: I69.12-0487	

**SUBMISSION UNDER 37 C.F.R. 3.73(b)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Seagate Technology LLC, a Delaware corporation, is an owner of the patent application identified above by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or a copy of which is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of Seagate Technology LLC.

Signature:



Leland D. Schultz, Reg. No. 30,322

Date:

3/6/01

Title:

Senior Director of Intellectual Property  
and Technology Management